

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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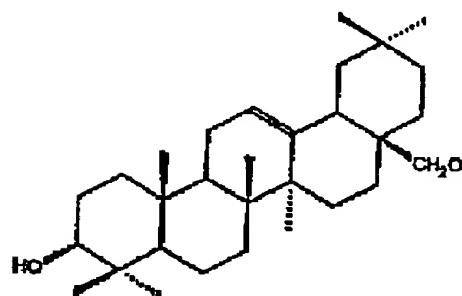
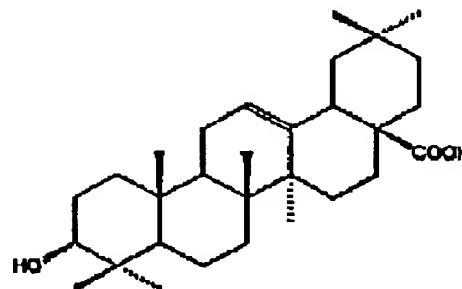
APPLICATION NUMBER : 07174571

APPLICANT : LOTTE CO LTD;

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A23G 3/30 A23L 1/30

TITLE : PREPARATION USED FOR ORAL  
CAVITY AND HAVING HEMOLYTIC  
TOXIN-INHIBITING ACTIVITY AND  
ANTIBACTERIAL ACTIVITY AGAINST  
THROAT INFLAMMATION-CAUSING  
BACTERIUM



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject safe preparation containing an extract extracted from the fruit of Chaenomeles sinesis Koenne, having an antibacterial activity against hemolytic inflammation-causing bacteria (hemolytic streptococcus) and an activity for inhibiting a hemolytic toxin produced by the bacteria, and further excellent in smell, etc.

SOLUTION: This preparation for oral cavities contains an extract obtained by extracting the fruit of Chaenomeles sinensis Koenne with a 50-100% lower alcohol aqueous solution (preferably an ethanol aqueous solution), acetone, ethyl acetate, n-hexane or their mixed solvents. The extraction is preferably performed by a method comprising adding the above-mentioned solvent to the ground fruit of the Chaenomeles sinensis Koenne and subsequently thermally refluxing the mixture for 3hr. The obtained extact solution is vacuum-concentrated to obtain the objective preparation. The preparation is further separated and purified with column chromatography to obtain a triterpene derivative such as a oleanolic acid of formula I or erythrodiol of formula II, which is preferably used as an active ingredient for the objective preparation. The preparation may be added to a candy, etc., to supply the preparation for daily utizations.

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